

# Combo Model “To Do” List

## **STEPS:**

**1) Continue evaluation of 5-yr fvgcm output (on dirac) with purpose to find any other problems.**

**Stratosphere : Susan, Anne, Rich, & Bryan + ?**

**Troposphere : Bryan + Jennifer?**

**2) Rerun 5-yr simulations with:**

**a) New Lightning**

**b) PV-Theta tropopause definition**

**c) “Pre-Processed” Shipping Emissions**

## **PAPER(S):**

**1) AURA-GMI Connection: Need to find “Story”/“Stories”**

**2)**

**3)**

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## *Problems to Resolve:*

### *Low CO Problem – Check for Clues:*

Calc. MC lifetimes, Check sources (CH<sub>4</sub> ox, etc.)

Any ideas?

### *Shipping Emissions:*

Can't ignore. Release HNO<sub>3</sub> instead of NO? Need to think about this one.

### *NH Mid-Lat High Ozone*

Jules to review code to check for errors.

Look at tendencies, etc. (etc. = ?)